



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|--|-------------|----------------------|-----------------------------|------------------|
| 10/085,883 | 02/27/2002 | Kari-Pekka Wilska | 297-005893-US (C02) | 1197 |
| 2512 | 7590 | 03/23/2006 | EXAMINER DOAN, PHUOC HUU | |
| PERMAN & GREEN 425 POST ROAD FAIRFIELD, CT 06824 | | | ART UNIT 2617 | PAPER NUMBER |

DATE MAILED: 03/23/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

| | | | |
|------------------------------|------------------------|---------------------|--|
| Office Action Summary | Application No. | Applicant(s) | |
| | 10/085,883 | WILSKA ET AL. | |
| | Examiner | Art Unit | |
| | PHUOC H. DOAN | 2687 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 26 January 2006.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 10-26 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 10-26 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some * c) None of:
1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____. |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date <u>_____</u> . | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| | 6) <input type="checkbox"/> Other: _____. |

DETAILED ACTION

Response to Arguments

1. Applicant's arguments filed 01/26/2006 have been fully considered but they are not persuasive.

Applicant's remarks: Aoki discloses the circuit card (3) to which the Examiner refers is the flash memory of the camera 1. It does **not include optics** as indicated by the examiner, but only memory.

Examiner's response: Aoki discloses the IC memory card 3 is a component of the camera (1) comprising an image optical system processed by an image processing circuit 113 which is a function of image optical (col. 3, lines 44-55). It is clear that the present invention claim a **circuit card** (See Applicant's specification stated "by example camera card " in page 7, lines 1-3). Aoki discloses the same as function of the present invention that is a circuit card.

Applicant's remarks: the camera 1 of Aoki is not a circuit card and the recess 23 is not a card slot.

Examiner's response: the present of invention is not specifically a circuit card in the mechanical design matter, but it is invented a circuit card can be fitted to personal communication (notebook computer "specification in page

7, lines 22") with optics built in the circuit card for obtaining image (image sensor) in the signal processed with memory IC card to obtained the image of information. How they are difference between the present invention and the prior art in specific Fig. 1, items 1 and 3. Aoki discloses the camera includes an IC memory card (like a pocket sized camera "a circuit card") but the functionality as the same when a circuit card fixed in to a personal communication.

Applicant's remarks: Parulski discloses the extender board 24 is not a circuit card.

Examiner's response: Aoki discloses a circuit card. However, Aoki does not specifically disclose a PCMCIA compatible card slot. In the same field of invention, Parulski specifically disclose a PCMCIA compatible card slot was used with a removable memory card (See Abstract, and col. 6, lines 1-6, and lines 45-50 "**the digitized image sensor data, a line at a time, is read over the PCMCIA bus**").

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 10-13, and 16-26 are rejected under 35 U.S.C. 102(e) as being anticipated by Aoki (US Patent No: 5,438,359).

As to claim 10, Aoki teaches that a circuit card (Fig. 1, items 1, 3), which can be fitted to a card slot (Fig. 1, item 23, col. 2, lines 65-68) device for personal communication (col. 2, lines 50-68), data collection, and data processing, and comprising: optics built in said circuit card for obtaining image information (col. 3, lines 44-55); an image sensor in said circuit card for obtaining image information (col. 3, lines 50-61); an image processing unit in said circuit card (col. 3, lines 44-61, and col. 4, lines 31-53); a memory unit in said image processing unit for storing obtained image information (col. 4, lines 21-53); and a processor unit in said image processing unit for processing obtained image information (col. 4, lines 31-45).

As to claim 11, Aoki teaches that wherein said memory unit comprises at least volatile and non-volatile memory (col. 3, lines 55-61).

As to claim 12, Aoki teaches that a circuit card according to claim 10, further comprising a power supply for providing power to maintain said obtained image information in said memory unit (col. 4, lines 3-30).

As to claim 13, Aoki teaches that wherein said image sensor is a semiconductor camera (col. 2 through col. 3, lines 65-61).

As to claim 16, Aoki teaches that further comprising means for performing a character recognition task on image information obtained by said image sensor for generation a set of recognized characters (col. 3, lines 34-61).

As to claim 17, Aoki teaches that wherein said means for performing a character recognition task comprises a software program stored in the memory unit of the circuit card (col. 5, lines 19-47).

As to claim 18, Aoki teaches that further comprising means for performing a pattern recognition task on a graphical object in said image information obtained by said image sensor (col. 4, lines 21-53, and col. 5, lines 19-47).

As to claim 19, the claim is rejected for the same reason as set forth in claim 17.

As to claim 20, the claim is rejected for the same reason as set forth in claim 10.

As to claim 21, the claim is rejected for the same reason as set forth in claim 10.

As to claim 22, the claim is rejected for the same reason as set forth in claim 16.

As to claim 23, the claim is rejected for the same reason as set forth in claim 17.

As to claim 24, the claim is rejected for the same reason as set forth in claim 18.

As to claim 25, the claim is rejected for the same reason as set forth in claim 17.

As to claim 26, the claim is rejected for the same reason as set forth in claim 10.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 14-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Aoki in view of Parulski (US Patent No: 5,475,441).

As to claim 14, Aoki does not teach a circuit card according to claim 10, further adapted to fit into a card slot of a device for personal communication, data collection and data processing that is a PCMCIA compatible card slot.

Parulski teaches further adapted to fit into a card slot of a device for personal communication, data collection and data processing that is a PCMCIA compatible card slot (col. 6, lines 53-58). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide a PCMCIA compatible card as taught by Parulski to the system of Aoki in order to transferring image data to a personal computer.

As to claim 15, the claim is rejected for the same reason as set forth in claim 14.

Conclusion

5. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however,

will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to PHUOC H. DOAN whose telephone number is 571-272-7920. The examiner can normally be reached on 9:30 AM - 6:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, GEORGE ENG can be reached on 571-272-7495. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Phuoc Doan
03/03/06


George Eng
GEORGE ENG
SUPERVISORY PATENT EXAMINER